



SEQUENCE LISTING

<110> Mack, Matthias
Hogaboam, Cory

<120> METHOD OF TREATING ALLERGEN INDUCED
AIRWAY DISEASE

<130> 13235-014001

<140> US 10/690,043

<141> 2003-10-21

<150> US 10/217,524

<151> 2002-08-13

<160> 2

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1245

<212> DNA

<213> Mus sp.

<220>

<221> CDS

<222> (1)...(1242)

<400> 1

tcc	cca	tat	tcc	tgc	gac	acc	aca	ccc	tgc	tgc	ttt	gcc	tac	att	gcc	48
Ser	Pro	Tyr	Ser	Ser	Asp	Thr	Thr	Pro	Cys	Cys	Phe	Ala	Tyr	Ile	Ala	
1				5					10					15		

cgc	cca	ctg	ccc	cgt	gcc	cac	atc	aag	gag	tat	ttc	tac	acc	agt	ggc	96
Arg	Pro	Leu	Pro	Arg	Ala	His	Ile	Lys	Glu	Tyr	Phe	Tyr	Thr	Ser	Gly	
			20					25					30			

aag	tgc	tcc	aac	cca	gca	gtc	gtc	ttt	gtc	acc	cga	aag	aac	cgc	caa	144
Lys	Cys	Ser	Asn	Pro	Ala	Val	Val	Phe	Val	Thr	Arg	Lys	Asn	Arg	Gln	
			35				40					45				

gtg	tgt	gcc	aac	cca	gag	aag	aaa	tgg	gtt	cgg	gag	tac	atc	aac	tct	192
Val	Cys	Ala	Asn	Pro	Glu	Lys	Lys	Trp	Val	Arg	Glu	Tyr	Ile	Asn	Ser	
	50					55				60						

ttg	gag	atg	tcc	gga	ggc	ggc	agc	ctg	gcc	gcg	ctg	acc	gcg	cac	cag	240
Leu	Glu	Met	Ser	Gly	Gly	Gly	Ser	Leu	Ala	Ala	Leu	Thr	Ala	His	Gln	
	65				70				75					80		

gct	tgc	cac	ctg	ccg	ctg	gag	act	ttc	acc	cgt	cat	cgc	cag	ccg	cgc	288
Ala	Cys	His	Leu	Pro	Leu	Glu	Thr	Phe	Thr	Arg	His	Arg	Gln	Pro	Arg	
			85					90					95			

ggc	tgg	gaa	caa	ctg	gag	cag	tgc	ggc	tat	ccg	gtg	cag	cgg	ctg	gtc	336
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Gly Trp Glu Gln Leu Glu Gln Cys Gly Tyr Pro Val Gln Arg Leu Val	
100	105 110
gcc ctc tac ctg gcg gcg cgg ctg tcg tgg aac cag gtc gac cag gtg	384
Ala Leu Tyr Leu Ala Ala Arg Leu Ser Trp Asn Gln Val Asp Gln Val	
115 120 125	
atc cgc aac gcc ctg gcc agc ccc ggc agc ggc ggc gac ctg ggc gaa	432
Ile Arg Asn Ala Leu Ala Ser Pro Gly Ser Gly Gly Asp Leu Gly Glu	
130 135 140	
gcg atc cgc gag cag ccg gag cag gcc cgt ctg gcc ctg acc ctg gcc	480
Ala Ile Arg Glu Gln Pro Glu Gln Ala Arg Leu Ala Leu Thr Leu Ala	
145 150 155 160	
gcc gcc gag agc gag cgc ttc gtc cgg cag ggc acc ggc aac gac gag	528
Ala Ala Glu Ser Glu Arg Phe Val Arg Gln Gly Thr Gly Asn Asp Glu	
165 170 175	
gcc ggc gcg gcc aac ggc ccg gcg gac agc ggc gac gcc ctg ctg gag	576
Ala Gly Ala Ala Asn Gly Pro Ala Asp Ser Gly Asp Ala Leu Leu Glu	
180 185 190	
cgc aac tat ccc act ggc gcg gag ttc ctc ggc gac ggc ggc gac gtc	624
Arg Asn Tyr Pro Thr Gly Ala Glu Phe Leu Gly Asp Gly Gly Asp Val	
195 200 205	
agc ttc agc acc cgc ggc acg cag aac tgg acg gtg gag cgg ctg ctc	672
Ser Phe Ser Thr Arg Gly Thr Gln Asn Trp Thr Val Glu Arg Leu Leu	
210 215 220	
cag gcg cac cgc caa ctg gag gag cgc ggc tat gtg ttc gtc ggc tac	720
Gln Ala His Arg Gln Leu Glu Glu Arg Gly Tyr Val Phe Val Gly Tyr	
225 230 235 240	
cac ggc acc ttc ctc gaa gcg gcg caa agc atc gtc ttc ggc ggg gtg	768
His Gly Thr Phe Leu Glu Ala Ala Gln Ser Ile Val Phe Gly Gly Val	
245 250 255	
cgc gcg cgc agc cag gac ctc gac gcg atc tgg cgc ggt ttc tat atc	816
Arg Ala Arg Ser Gln Asp Leu Asp Ala Ile Trp Arg Gly Phe Tyr Ile	
260 265 270	
gcc ggc gat ccg gcg ctg gcc tac ggc tac gcc cag gac cag gaa ccc	864
Ala Gly Asp Pro Ala Leu Ala Tyr Gly Tyr Ala Gln Asp Gln Glu Pro	
275 280 285	
gac gca cgc ggc cgg atc cgc aac ggt gcc ctg ctg cgg gtc tat gtg	912
Asp Ala Arg Gly Arg Ile Arg Asn Gly Ala Leu Leu Arg Val Tyr Val	
290 295 300	
ccg cgc tcg agc ctg ccg ggc ttc tac cgc acc agc ctg acc ctg gcc	960
Pro Arg Ser Ser Leu Pro Gly Phe Tyr Arg Thr Ser Leu Thr Leu Ala	
305 310 315 320	
gcg ccg gag gcg gcg ggc gag gtc gaa cgg ctg atc ggc cat ccg ctg	1008
Ala Pro Glu Ala Ala Gly Glu Val Glu Arg Leu Ile Gly His Pro Leu	

	325	330	335	
ccg ctg cgc ctg gac gcc atc acc ggc ccc gag gag gaa ggc ggg cgc				1056
Pro Leu Arg Leu Asp Ala Ile Thr Gly Pro Glu Glu Glu Gly Gly Arg				
	340	345	350	
ctg gag acc att ctc ggc tgg ccg ctg gcc gag cgc acc gtg gtg att				1104
Leu Glu Thr Ile Leu Gly Trp Pro Leu Ala Glu Arg Thr Val Val Ile				
	355	360	365	
ccc tcg gcg atc ccc acc gac ccg cgc aac gtc ggc ggc gac ctc gac				1152
Pro Ser Ala Ile Pro Thr Asp Pro Arg Asn Val Gly Gly Asp Leu Asp				
	370	375	380	
ccg tcc agc atc ccc gac aag gaa cag gcg atc agc gcc ctg ccg gac				1200
Pro Ser Ser Ile Pro Asp Lys Glu Gln Ala Ile Ser Ala Leu Pro Asp				
	385	390	400	
tac gcc agc cag ccc ggc aaa ccg ccg cgc gag gac ctg aag				1242
Tyr Ala Ser Gln Pro Gly Lys Pro Pro Arg Glu Asp Leu Lys				
	405	410		
taa				1245

<210> 2
 <211> 414
 <212> PRT
 <213> Mus sp.

<400> 2
 Ser Pro Tyr Ser Ser Asp Thr Thr Pro Cys Cys Phe Ala Tyr Ile Ala
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 Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly
 20 25 30
 Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Arg Lys Asn Arg Gln
 35 40 45
 Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser
 50 55 60
 Leu Glu Met Ser Gly Gly Gly Ser Leu Ala Ala Leu Thr Ala His Gln
 65 70 75 80
 Ala Cys His Leu Pro Leu Glu Thr Phe Thr Arg His Arg Gln Pro Arg
 85 90 95
 Gly Trp Glu Gln Leu Glu Gln Cys Gly Tyr Pro Val Gln Arg Leu Val
 100 105 110
 Ala Leu Tyr Leu Ala Ala Arg Leu Ser Trp Asn Gln Val Asp Gln Val
 115 120 125
 Ile Arg Asn Ala Leu Ala Ser Pro Gly Ser Gly Gly Asp Leu Gly Glu
 130 135 140
 Ala Ile Arg Glu Gln Pro Glu Gln Ala Arg Leu Ala Leu Thr Leu Ala
 145 150 155 160
 Ala Ala Glu Ser Glu Arg Phe Val Arg Gln Gly Thr Gly Asn Asp Glu
 165 170 175
 Ala Gly Ala Ala Asn Gly Pro Ala Asp Ser Gly Asp Ala Leu Leu Glu
 180 185 190
 Arg Asn Tyr Pro Thr Gly Ala Glu Phe Leu Gly Asp Gly Gly Asp Val
 195 200 205
 Ser Phe Ser Thr Arg Gly Thr Gln Asn Trp Thr Val Glu Arg Leu Leu

210		215		220
Gln Ala His Arg Gln Leu Glu Glu Arg Gly Tyr Val Phe Val Gly Tyr				
225		230		240
His Gly Thr Phe Leu Glu Ala Ala Gln Ser Ile Val Phe Gly Gly Val				
	245		250	255
Arg Ala Arg Ser Gln Asp Leu Asp Ala Ile Trp Arg Gly Phe Tyr Ile				
	260		265	270
Ala Gly Asp Pro Ala Leu Ala Tyr Gly Tyr Ala Gln Asp Gln Glu Pro				
	275		280	285
Asp Ala Arg Gly Arg Ile Arg Asn Gly Ala Leu Leu Arg Val Tyr Val				
	290		295	300
Pro Arg Ser Ser Leu Pro Gly Phe Tyr Arg Thr Ser Leu Thr Leu Ala				
305		310		320
Ala Pro Glu Ala Ala Gly Glu Val Glu Arg Leu Ile Gly His Pro Leu				
	325		330	335
Pro Leu Arg Leu Asp Ala Ile Thr Gly Pro Glu Glu Glu Gly Gly Arg				
	340		345	350
Leu Glu Thr Ile Leu Gly Trp Pro Leu Ala Glu Arg Thr Val Val Ile				
	355		360	365
Pro Ser Ala Ile Pro Thr Asp Pro Arg Asn Val Gly Gly Asp Leu Asp				
	370		375	380
Pro Ser Ser Ile Pro Asp Lys Glu Gln Ala Ile Ser Ala Leu Pro Asp				
385		390		400
Tyr Ala Ser Gln Pro Gly Lys Pro Pro Arg Glu Asp Leu Lys				
	405		410	